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Department of Energy

ROCKY FLATS OFFICE  
P.O. BOX 928  
GOLDEN, COLORADO 80402-0928

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DEDETTI, R.L.		
JAMIN, A.		
MAN, H.S.		
INIVAL, G.J.		
P, R.D.		
DOVA, R.C.		
IS, J.G.		
PERA, D.W.		
NZ, W.A.		
INI, B.J.		
LY, T.J.		
DAHL, T.G.		
BIG, J.G.		
BY, W.A.		
STER, A.W.		
IN, H.P.		
XX, G.E.		
ENNA, F.G.		
RGAN, R.V.		
ZUTO, V.M.		
TER, G.L.		
EY, J.H.		
DLIN, N.B.		
TERWHITE, D.G.		
HUBERT, A.L.		
LOCK, G.H.		
LIVAN, M.T.		
ANSON, E.R.		
KINSON, R.B.		
SON, J.M.		

SEP 02 1993

93-DOE-10208

Mr. Martin Hestmark  
U. S. Environmental Protection Agency, Region VIII  
ATTN: Rocky Flats Project Manager, 8HWM-RI  
999 18th Street, Suite 500, 8WM-C  
Denver, Colorado 80202-2405

Mr. Gary Baughman  
Hazardous Waste Facilities Unit Leader  
Colorado Department of Health  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530

Gentlemen:

Please find enclosed a revision to Dr. Richard Gilbert's, Pacific Northwest Laboratory,  
July 30, 1993, report on background comparisons transmitted on August 16, 1993. The  
enclosed figure for Task 4 should replace the existing figure in the report.

Sincerely,

Richard J. Schassburger  
Acting Director  
Environmental Restoration Division

Enclosure

cc w/ Enclosure:

- A. Rampertaap, EM-453
- R. Schassburger, ERD, RFO
- S. Grace, ERD, RFO
- B. Thatcher, ERD, RFO
- N. Hutchins, EG&G
- W. Busby, EG&G
- D. Smith, EG&G
- F. Harrington, EG&G
- B. Lavelle, EPA
- J. Schieffelin, CDH
- R. Cattany, CDNR
- L. Carlson, FWS
- B. Ramsey, SMS

Hutchins  
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Smith  
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INCOMING LETTER

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ACTION 8/26

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NELSON, R.M.	
PAULE, R.H.	
SHOP, M.L.	
RAINARD, B.	
ANNODE, G.A.	
ARTMAN, J.	X
ZELL, K.	
AROL, M.S.	
MCBRIDE, M.H.	
ARGENT, D.	
WITHERILL, U.F.	
ODAMS, J.J.	
ANDERSON, T.W.	
RAUN, R.L.	
UFFY, G.G.	
OFFMAN, R.B.	
EUERNIER, R.J.	
OCKHART, F.R.	X
UKOW, T.E.	
OLINGER, S.	
ASK, W.C.	
USCITTO, D.G.	
SCHASSBURGER	X
RAKKEN, K.T.	
BRETEL, T.	
ARGREAVES, M.	
ICKS, D.A.	
UFFMAN, G.N.	
MALCHESKI, D.	
MCCORMICK, M.S.	
MILLER, H.G.	
STMEYER, R.M.	
EWITSCH, E.	
OSLUSZNY, J.	
AMPE, J.	
EECE, J.	
TEWARD, J.D.	
ANDERPUY, M.	X
DALLIN, B.	
THATCHER	X

August 24, 1993

Bruce K. Thatcher  
U.S. Department of Energy  
Rocky Flats Office  
P.O. Box 928  
Golden, CO 80402-0928

Dear Bruce:

Enclosed is a revision to the Figure titled "Task 4: Flow Chart for Comparing OU Data to Background" that appeared on page 11.A of my July 30, 1993 letter report to Systematic Management Services, Inc., concerning a recommended process to compare operable units (OUs) to background concentrations at Rocky Flats Plant. This revision is in response to a recent phone call from Dennis Weier of EG&G Rocky Flats Inc., Statistical Applications, pointing out that the figure was not consistent with the written recommended statistical process in my letter report. The discussion on page 8 (next to last paragraph) of the report and the illustration of the statistical testing process (pages 16-25) correctly indicate that the hot measurement comparison is only one among 6 tests that should be performed. It should not be the only test conducted. Unfortunately, the original figure in the letter report indicated that if the hot measurement comparison indicates one or more OU measurements exceed the hot measurement value then the other tests need not be conducted. This is not consistent with the written recommendations. This inconsistency is corrected in the enclosed figure.

I apologize for this oversight and hope that it has not caused you any problems. I urge you to distribute this letter and the enclosed revised figure to all individuals who received the original figure.

Best regards,

*Richard O. Gilbert*

Richard O. Gilbert, PhD  
Staff Scientist  
Statistical Design and Analysis Group  
Analytic Sciences Department

Enclosure

cc: BA Pulsipher, PNL  
B Ramsey, SMS  
DR Weier, EG&G RF



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Battelle Boulevard  
P.O. Box 999  
Richland, Washington 99352  
Telephone (509) 375-2979

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BY: DATE:

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#### TASK 4: FLOW CHART FOR COMPARING OU DATA TO BACKGROUND

